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App. for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/087,112
		Filing Date	March 1, 2002
		First Named Inventor	Jin, F et al.
		Group Art Unit	N/A
		Examiner Name	N/A
		Attorney Docket Number	08841.105031 (PHA2002US)
Sheet	1	of	

U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
JFM	AA	3,817,982		Verheyden <i>et al.</i>	06-18-1974	
	AB	4,900,828		Belica <i>et al.</i>	02-13-1990	
	AC	4,904,770		Starrett, Jr. <i>et al.</i>	02-27-1990	
	AD	5,130,421		Starrett, Jr. <i>et al.</i>	07-14-1992	
	AE	5,455,339		Chu	10-03-1995	
	AF	5,539,099		Skonezny <i>et al.</i>	07-23-1996	
	AG	5,561,120		Lin <i>et al.</i>	10-01-1996	
	AH	5,703,058		Schinazi <i>et al.</i>	12-30-1997	
	AI	5,905,070		Schinazi <i>et al.</i>	05-18-1999	
	AJ	6,232,300		Schinazi <i>et al.</i>	05-15-2001	

FOREIGN PATENT DOCUMENTS								
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JFM	AK	WO	99/43691	A1	Schinazi et al.	02-09-1999		
	AL	WO	96/22778	A1	Schinazi et al.	01-08-1996		
	AM	EP	0 409 227	A2	Matthes et al.	19-07-1990		

Examiner Signature	<i>Tom M. [Signature]</i>	Date Considered	7/15/02
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
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T	BA	ABDEL-MEDIED, A. W.-S., <i>et al.</i> , <i>Synthesis</i> , 1991, 313.	
	BB	CHEN S., <i>et al.</i> "Synthesis and Biological Evaluation of a Series of 2'-Fluorinated-2',3'-Didehydro-(L)-Nucleosides." <i>Biorganic & Medicinal Chemistry Letters</i> . 8:3245-3250, 1998.	
	BC	CHEN, S., <i>et al.</i> "Stereoselective Syntheses of β -L-FD4C and β -L-FddC." <i>J. Org. Chem.</i> 62(11):3449-3452, 1997.	
	BD	CHENG, Y., <i>et al.</i> , <i>J. Med. Chem.</i> 1996, 62, 1757-1759.	
	BE	HORWITZ, J. P., <i>et al.</i> "Nucleosides. IX. The Formation of 2',3'-Unsaturated Pyrimidine Nucleosides via a Novel β -Elimination Reaction." <i>J. Org. Chem.</i> 31:205-211, January 1966.	
	BF	HORWITZ, J. P., <i>et al.</i> "Nucleosides. VI. The Introduction of Unsaturation into the Carbohydrate of a Pyrimidine Nucleoside via a 2,3'-Anhydro Bond." <i>J. Am. Chem. Soc.</i> 86:1896-1897, May 5, 1964.	
	BG	HORWITZ, J. P., <i>et al.</i> "Nucleosides. XI. 2',3'-Dideoxycytidine." <i>J. Org. Chem.</i> 32:817-818, March 1967.	
	BH	JAIN, T.C., <i>et al.</i> "Reactions of 2-Acyloxyisobutyryl Halides with Nucleosides. IV. A Facile Synthesis of 2',3'-Unsaturated Nucleosides Using Chromous Acetate." <i>J. Org. Chem.</i> 39(1):30-38, 1974.	
	BI	MANCHAND <i>et al.</i> "Syntheses of the Anti-AIDS Drug 2',3'-Dideoxycytidine from Cytidine." <i>J. Org. Chem.</i> 57(12):3473-3478, 1992.	
	BJ	MORIKAWA, T., <i>et al.</i> , <i>Chem. Pharm. Bull.</i> , 1992, 40, 3189	
	BK	PATRICK, T.B., <i>et al.</i> "New Fluorobutenolide Templates for Synthesis." <i>J. Org. Chem.</i> 59(5):1210-1212, 1994.	
	BL	ROBINS, M. J., <i>et al.</i> , <i>Tetrahedron Letters</i> 1984, 25, 367.	
	BM	RUSSELL, A. F., <i>et al.</i> , <i>J. Am. Chem. Soc.</i> 1973, 95, 4025.	

Examiner Signature	<i>Thomas C. McEl...</i>	Date Considered	2/15/03
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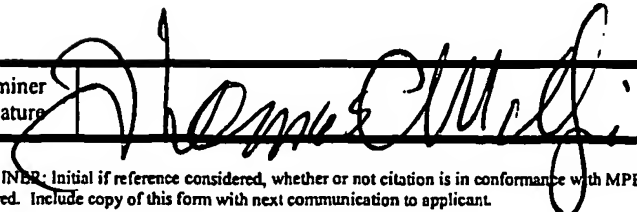
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		Filing Date	March 1, 2002
		First Named Inventor	Jin, F et al.
		Group Art Unit	N/A
		Examiner Name	N/A
Sheet 3 of		Attorney Docket Number	08841.105031 (PHA2002US)

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	CA	SHI, et al. "Synthesis and Biological Evaluation of 2',3'-Didehydro-2',3'-dideoxy-5-fluorocytidine (D4FC) Analogues: Discovery of Carbocyclic Nucleoside Triphosphates with Potent Inhibitory Activity against HIV-1 Reverse Transcriptase." <i>J. Med. Chem.</i> 42:859-867, 1999.	
	CB	SUJINO, K., et al. "Facile Synthesis of 2',3'-Unsaturated Nucleosides from 2-Deoxyribose." <i>Tetrahedron Letters</i> . 37(34):6133-6136, 1996	
	CC	THENAPPAN, A., et al. "Reduction-Olefination of Esters: A New and Efficient Synthesis of α,β -Unsaturated Esters." <i>J. Org. Chem.</i> 55(15):4639-4612, 1990.	
	CD	VERHEYDEN, J.P., et al. "2',3'-Unsaturated nucleosides." <i>Chem. Abstr.</i> 81:508(63942), 1974.	

Examiner Signature		Date Considered	7/15/02
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Sheet

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Application Number 10/087,112
 Filing Date March 1, 2002
 First Named Inventor Jin, F et al.
 Group Art Unit N/A
 Examiner Name N/A
 Attorney Docket Number PHA2001US

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
JY	AA	4,594,339		Lopez, C. <i>et al.</i>	06-10-1986	_____
	AB	4,847,366		Yamamoto, Y. <i>et al.</i>	07-11-1989	_____
	AC	5,212,298		Radamacher, T. W. <i>et al.</i>	05-18-1993	_____
AK	AD	5,625,057		Shiragami, Hiroshi <i>et al.</i>	04-29-1997	_____

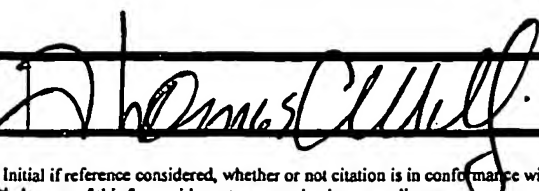
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JY	AE	EP	0 334 368		Bristol Myers Co.	27-19-1989	_____	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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JY	AF	COE, <i>et al.</i> , <i>Journal of Fluorine Chemistry, Elsevier Sequoia, Lausanne, CH</i> , vol. 69, no. 1, pp. 19-24, 1994.	
	AG	CLASSON, B. <i>et al.</i> , <i>ACTA Chem. Scand., Ser. B.</i> , B36(4), 251-3, 1982.	
	AH	MANSURI, M M <i>et al.</i> , <i>J. of Organic Chemistry, American Chemical Society</i> , vol. 54, no. 20, 29 Sept. 1989, 1780-4785.	
	AI	OZAKI, S. <i>et al.</i> , <i>Bull. Chem. Soc. Jpn.</i> , 50(8), 2197-8, 1977.	
	AJ	OZAKI, S. <i>et al.</i> , <i>Nucleic Acids Symp. Ser.</i> , 9-1, 12, p. 11, table 1, 1983.	
	AK	WATANABE, K.A. <i>et al.</i> , <i>J. Med. Chem.</i> , 23(10), 1088-94, 1980.	
JY	AL	VAN AERSCHOT, A. <i>et al.</i> , <i>J. MED Chem.</i> , 33(6), 1833-9, 1990.	

Examiner Signature



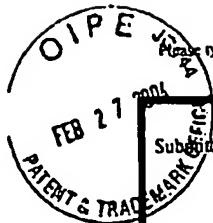
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Application Number	10/10/087,112
Filing Date	March 1, 2002
First Named Inventor	Jin <i>et al.</i>
Group Art Unit	1624
Examiner	Thomas C. McKenzie
Attorney Docket Number	08841.105021

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Sheet 1 of 1

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<i>TC</i>	AA	4,987,224		Chu	01-22-1991	
<i>TC</i>	AB	5,175,267		Chu	12-29-1992	
<i>TC</i>	AC	5,200,514		Chu	04-06-1993	
<i>TC</i>	AD	5,384,396		Chu <i>et al.</i>	01-24-1995	

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<i>TC</i>		NL	8 901 258		Stichling Rega	12-17-1990		

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Signature

Thomas C. McKenzie

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